| Notice of Allowability | Application No. | Applicant(s) | |
|---|---|---|---|
| | 10/805,713 | GUDERZO, GIANFRANCO | |
| | Examiner | Art Unit | |
| | Van T. Trieu | 2612 | |

***-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--***

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the Application filed on 22 March 2004*.

2. ☒ The allowed claim(s) is/are *1-26*.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☒ All b) ☐ Some* c) ☐ None of the:
      1. ☒ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   **Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date See Continuation Sheet
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

Continuation of Attachment(s) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date: 3/20/06; 12/01/04; 7/02/04 & 3/22/04.

## *DETAILED ACTION*

## EXAMINER'S AMENDMENT

1. The application has been amended as follows: The abstract filed on 22 March 2004 contained the phrase "means". Therefore, a new abstract is provided herewith in a separate sheet.

### *Allowable Subject Matter*

2. The following is an examiner's statement of reasons for allowance: there are no prior arts teaching or suggesting of a unit electrically connected to, and selectively removable from, a complementary unit for controlling the operating functions of a cycle, so that the electrical connection can be decoupled by leaving exposed at least one distal contact part both of the units wherein the electrical connection is **at least one switch that can be selectively actuated for electrically insulating the exposed distal contact part from either of the units**.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### *Conclusion*

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

**Jimison et al** discloses a cradle for removable control display unit of accessory. The cradle can be molded of plastic or other suitable materials. The cradle provides routing channels for inserting removable control display unit within cradle. The control display unit is received within channels of the cradle thereby aligning the control display unit and data cable connectors within cradle. Channels and grooves may increase strength of coupling between assemblies and may prevent control display unit from being inserted backwards or upside down. A clamp mounts cradle to frame member. The clamp is secured to frame member by a screw and threaded insert of the mounting assembly. Means are provided, via data cable, for connection to printed circuit boards, switches, or electronic components located within the accessory housing. The data connector of the cradle, mates with data connector of the removable control display unit, when inserted and secured within cradle. The cable from the cradle can be encased with insulating materials or be coupled with striker rod control cable(s), located within multi-lumen extruded tubing. [US 6,406,049]

**Kawakami** discloses a bicycle handlebar with a particular embodiment of an integrated bicycle computer and shifting device. The integrated bicycle computer and shifting device includes a left side or front brake/shift control device, a right side or rear brake/shift control device, a computer display module, a left side or front gear position sensing unit detachably mounted to front brake/shift control device through screws and operatively coupled to display module through an electrical wire, a right side or rear

gear position sensing unit detachably mounted to rear brake/shift control device through screws and operatively coupled to display module through an electrical wire, a switch mechanism mounted to handlebar through a tie strap and operatively coupled to display module through an electrical wire, and a magnetic wheel speed sensor operatively coupled to display module through an electrical wire. [US 6,012,353]

**Murakami et al** discloses a cell box of the meter unit is thus provided through the opening of the cushioning member and the opening of the stay, with a gap left between the stay and the flanged portion. In the gap, a clip is to be applied to check the flanged portion. The clip comprises a single wire segment as folded into a form having in the middle thereof a pick-up portion and on both sides thereof either of a pair of pinch stem portions. The clip is insertable and removable from front of the meter unit as it is fixed to the stay, that is, from the side of the racing number plate. [US 4,740,905]

**Campagnolo** discloses an electronic control system for cycles, for use in association to a set of sensors, a set of actuators, and a set of control members associated to the cycle, comprises: a first processor unit having the function of processing and displaying information; a second processor unit with the function of communication control unit and of interfacing with said set of control members; and a third processor unit having the function of interfacing with said set of sensors and said set of actuators. The first processor unit, the second processor unit, and the third processor unit are connected together via asynchronous bi-directional communication channels. [US 2001/0027495]

4. Any inquiry concerning this communication or earlier communications from examiner should be directed to primary examiner **Van Trieu** whose telephone number is (571) 272-2972. The examiner can normally be reached on Mon-Fri from 8:00 AM to 3:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Mr. Daniel Wu** can be reached on (571) 272-2964.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

**Van Trieu**
**Primary Examiner**
**Date:** 11/19/07

## **ABSTRACT** (new)

A unit of a system for controlling the operating functions of a cycle is able to co-operate functionally with at least one complementary unit by at least one electrical connection. At least one of either the unit and the complementary unit is configured to be selectively removable from the cycle, so that the electrical connection is an electrical connection that can be decoupled by leaving exposed on the unit at least one distal contact part. Associated to the at least one electrical connection is a switch, which can be selectively actuated for electrically insulating the exposed distal contact part from the unit.